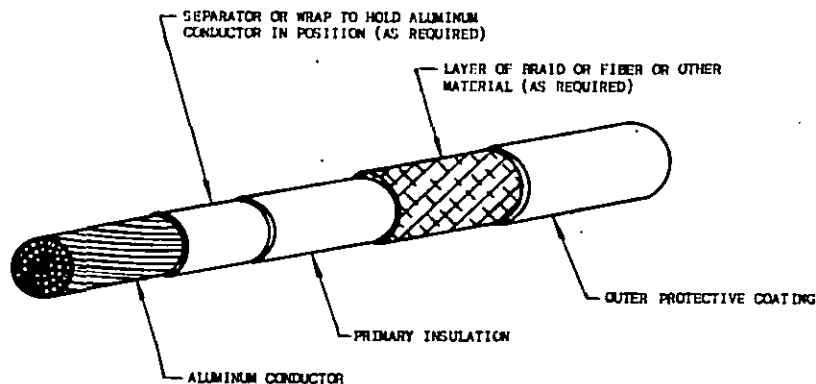


FED. SUP CLASS  
6245

DASH NO.	WIRE SIZE	MAXIMUM RESISTANCE (OHMS PER 1,000 FT AT 20°C (68°F))	DIAMETER STRANDED CONDUCTOR (INCHES)		MAXIMUM DIAMETER FINISHED WIRE (INCHES)	MAXIMUM WEIGHT PER 1,000 FT FINISHED WIRE (POUNDS)
			MIN	MAX		
-8	AL-8	1.093	0.150	0.160	.260	32
-6	AL-6	.641	0.199	0.211	.325	55
-4	AL-4	.427	0.247	0.262	.385	74
-2	AL-2	.268	0.310	0.330	.465	107
-1	AL-1	.214	0.348	0.368	.515	133
-01	AL-0	.169	0.398	0.418	.570	167
-02	AL-00	.133	0.453	0.478	.630	203
-03	AL-000	.109	0.510	0.535	.705	242
-04	AL-0000	.085	0.567	0.587	.775	296

② INACTIVE FOR DESIGN AFTER 4 OCTOBER 1962.

USE SHEET 2.

③ SHEET 2 ADDED.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

P.A. Navy - Wep Other Cust USAF - AFSC	TITLE WIRE, ELECTRIC, 600-VOLT, ALUMINUM, AIRCRAFT	MILITARY STANDARD <b>MS25191(ASG)</b>
PROCUREMENT SPECIFICATION MIL-W-7072	SUPERSEDES: NAFAC 1344	SHEET 1 OF 2

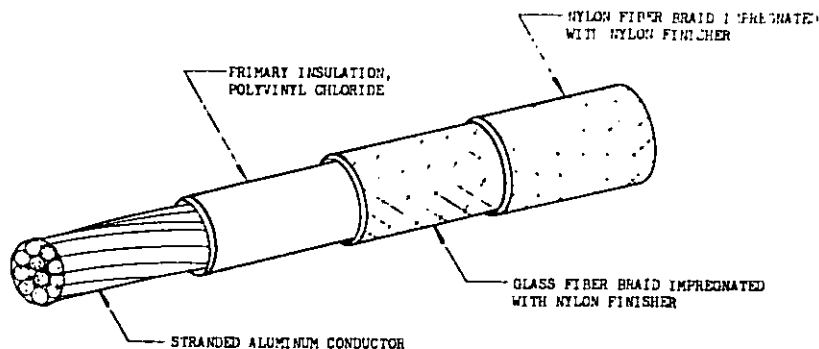
DD FORM 1 SEP 57 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

NOTICE—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement contract, the United States Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have furnished, furnished, or in any way applied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation to carrying any rights or permission to manufacture, sell, or sell any patented invention that may in any way be related thereto.

This standard has been approved by the Department of the Navy (Navy), and by the Department of the Air Force (AFSC), and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 17 Jun 58  
REVISED 19 Oct 62  
4 Oct 62

FED. SUP CLASS  
6115

PERFORMANCE DETAILS															
DASH NO.	ABRASION TEST				FLAWS TEST		BEND TEST								
	RESISTANCE INCHES OF TAPE MIN	TENSION LOAD POUNDS	WEIGHT SUPPORT BRACKET	WEIGHT POUNDS	MIN AC VOLTAGE 60 CYCLE RMS		MANDREL DIA INCHES MAX		TEST LOAD POUNDS						
					PRIMARY INSULATION	FINISHED WIRE	LIFE CYCLE	COLD BEND	LIFE CYCLE	COLD BEND					
-2B	25	1	B	3	3000	5000	10	6	3	5					
-6B															
-4B															
-2B															
-1B	33	2	C	4.25	4000	5000	10	10	6	10					
-3B	34														
-1B	35														
-01B	40												18	10	15
-02B															20
-03B							25								
-04B							30								

DASH NO.	FINISHED WIRE CONSTRUCTION						SUPERSEDING
	WIRE SIZE	STRANDING	MAX DIA OF STRANDED CONDUCTOR	MAX RESISTANCE AT 20°C(68°F) OHMS/1000 FT	MAX DIA FINISHED WIRE (INCHES)	MAX WEIGHT LB/1000 FT FINISHED WIRE	
-8B	8	41x24	.160	1.093	.225	31	-8
-6B	6	7x10x24	.211	.641	.285	50	-6
-4B	4	7x15x24	.262	.427	.340	72	-4
-2B	2	7x24x24	.330	.268	.410	103	-2
-1B	1	7x30x24	.368	.214	.455	125	-1
-01B	0	19x14x24	.418	.169	.510	160	-01
-02B	00	19x18x24	.478	.133	.580	195	-02
-03B	000	19x22x24	.535	.109	.640	240	-03
-04B	0000	19x28x24	.587	.085	.700	305	-04

THE MS PART NUMBER SHALL CONSIST OF THE MS NUMBER PLUS THE DASH NUMBER.

EXAMPLE OF PART NUMBER: MS25191-01B - WIRE, ELECTRIC, 600 VOLTS, AIRCRAFT, ALUMINUM, WIRE SIZE 0.

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P.A. Navy - Wep	TITLE WIRE, ELECTRIC, 600 VOLT, ALUMINUM, AIRCRAFT	MILITARY STANDARD	
Other Cust USAF - AFSC		MS25191(ASG)	
PROCUREMENT SPECIFICATION MIL-W-7072	SUPERSEDES.	SHEET 2	OF

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